Inbox RFA Application Awards Account Management Reports Help

Welcome to Grants Online James Herzog. You are logged in to GOLP2.

Log Off

Search Awards

Research Performance Progress Report - NA200AR4320271 >> Search Awards >> Grants File - NA170AR4320152 >> Research Performance Progress Report - NA170AR4320152

## Search Reports

## THIS DOCUMENT IS LOCKED

Attachments:

## DEPARTMENT OF COMMERCE RESEARCH PERFORMANCE PROGRESS REPORT (RPPR)

RPPR Guidance
Award Action Request Guidance

	Award Action Request Guidance
AWARD INFORMATION	
1. Federal Agency:	2. Federal Award Number:
Department of Commerce / NOAA	NA17OAR4320152
3. Project Title	·
The Cooperative Institute for Great Lakes Res Research, NOAA, for a new Regional Research	search (CIGLR): A Proposal to the Office of Oceanic and Atmospheric h Institute
Award Period of Performance Start Date:	Award Period of Performance End Date:
July 01, 2017	June 30, 2022
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR	
6. Last Name and Suffix:	7. First and Middle Name:
Dick	Gregory
8. Title:	
9. Email:	10. Phone Number
gdick@umich.edu	734-763-3228
AUTHORIZING OFFICIAL	
11. Last Name and Suffix:	12. First and Middle Name:
Gerard Jr.	Peter
13. Title:	
Asst Director Contract Administration	
14. Email:	15. Phone Number
pgerard@umich.edu	734-763-3193
REPORTING INFORMATION	
Signature of Submitting Official:	
Kullie Kennedy	
16. Submission Date and Time Stamp:	17. Reporting Period End Date:
2020-04-30 16:57:13.0	March 31, 2020
18. Reporting Frequency:	19. Report Type:
Annual	Not Final
Semi-Annual Quarterly	Final
RECIPIENT ORGANIZATION	·
20. Recipient Name:	
REGENTS OF THE UNIVERSITY OF MICHIGAN	ı

<b>ZZ</b> .	Descriptions DUMO.	CO. Desirient FIM.		
	Recipient DUNS: 073133571	23. Recipient EIN: 386006309		
۸,		3000000		
	CCOMPLISHMENTS <u>Guidance</u>	J		
24.	What were the major goals and objectives of this project?*	(CTCLR) leads now research trains the port congration of econtists, and		
	research into action for safe and healthy Great Lal the Great Lakes. CIGLR is hosted by the University	(CIGLR) leads new research, trains the next generation of scientists, and twes communities. CIGLR was established in 2017 to accelerate NOAA's miss of official or school for Environment and Sustainability and is a partnerslanch Lab (GLERL), and 12 universities, 4 NGOs, and 3 private businesses the lab (GLERL).		
25.	What was accomplished under these goals?*			
	CIGLR made remarkable progress in each of its 4	research themes this period. Significant results are reported below:		
	Theme 1. Observing systems & advanced technology	pgy		
	Spell Check			
26.	What opportunities for training and professional development has the pro-	pject provided?*		
	CIGLR had a strong year offering employee training and professional development opportunities, in accordance with the CIGLR Employee Handbook that identifies expectations, evaluation processes, and career development resources.			
		velopment opportunities to help ensure their professional success.		
_	Spell Check			
28.		e grown substantially over the past few years, leading to an increase in NO oals in Years 4 and 5 are to expand the research institute through addition		
	Spell Check			
PR	RODUCTS <u>Guidance</u>			
	Publications, conference papers, and presentations*			
29.	conference presentations. Several publications we	entation this period, with 36 peer-reviewed publications and over 100 re published in top journals and some received significant media attention. gy on invasive bigheaded carp was written up in a story by the Associated		
29.	that was syndicated in newspapers across the US.  Spell Check	Peer-reviewed publications, non-peer reviewed publications, and presentations		
		Peer-reviewed publications, non-peer reviewed publications, and presenta		
	Spell Check  Technologies or techniques*  Nothing to Report			
	Technologies or techniques*  Nothing to Report   CIGLR's cutting-edge research is at the forefront of science, with new developments this period that means the second sec	of technology and methods development for advancement of Great Lakes		
	Technologies or techniques*  Nothing to Report   CIGLR's cutting-edge research is at the forefront of science, with new developments this period that means the second sec	of technology and methods development for advancement of Great Lakes noved the needle on robotic cyanotoxin detection and produced novel labor		
30.	Technologies or techniques*  Nothing to Report   CIGLR's cutting-edge research is at the forefront of science, with new developments this period that make the techniques for measuring nutrient excretion by plants.	of technology and methods development for advancement of Great Lakes noved the needle on robotic cyanotoxin detection and produced novel labor		

	In addition to scientific publications and presentations, CIGLR developed a number of other products this period to support N
	mission in the Great Lakes, including maps, models, outreach materials, and news articles. We submitted 7 proposals for \$4 leveraged funding.
	Spell Check
PAF	RTICIPANTS & OTHER COLLABORATING ORGANIZATIONS Guidance
33 1	What individuals have worked on this project?*
JJ. 1	· ·
	CIGLR Administration
	Bradley Cardinale, Director, University of Michigan Thomas Johengen, Associate Director, University of Michigan
	Spell Check
34. I	Has there been a change in the active other support of the PD/PI(s) or senior/key personnel since the last reporting period?*
	Nothing to Report
	Changes in senior personnel during the reporting period include the departure of Associate Director and Research Scientist Di Thomas Johengen, who accepted a position as the Director of Michigan Sea Grant. Upon his departure, CIGLR developed a neadministrative structure, with the goals of 1) improved communication and coordination of research with GLERL, 2) improved oversight and management of CIGLR projects and personnel, and 3) increased stability by adding redundancy of functions an
	Spell Check
35. \	What other organizations have been involved as partners?*
	Nothing to Report
	Consortium lead investigators (CIGLR Council of Fellows reps):
	Andrew Barnard, Michigan Tech John Bratton, LimnoTech
	Patrick Doran, Nature Conservancy
	Spell Check
	Have other collaborators or contacts been involved?*  Nothing to Report
	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL
	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL
	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL
IMI	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance
IMI 37. \	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*
IMI 37. \	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report   Significant NOAA collaborators included: Eric Anderson, GLERL Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*
IMI 37. \	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic
IMI 37. \	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the
IMI 37. \	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic
IMI 37. \	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic and hypoxia impacts were highlights during this period.
37. \	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic and hypoxia impacts were highlights during this period.
37. \\ 38. \\	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic and hypoxia impacts were highlights during this period.  Spell Check
37. \\ 38. \\	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic and hypoxia impacts were highlights during this period.  Spell Check  What was the impact on other disciplines?*
37. \\ 38. \\	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamics and hypoxia impacts were highlights during this period.  Spell Check  What was the impact on other disciplines?*  Nothing to Report  CIGLR makes significant contributions to other disciplines through our interdisciplinary expertise and mission to produce scier outcomes for society. Research this period advanced the field of geodetics, improved tools for agricultural producers, and
37. \\ 38. \\	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic and hypoxia impacts were highlights during this period.  Spell Check  What was the impact on other disciplines?*  Nothing to Report  CIGLR makes significant contributions to other disciplines through our interdisciplinary expertise and mission to produce scien outcomes for society. Research this period advanced the field of geodetics, improved tools for agricultural producers, and investigated social science aspects of Great Lakes natural resources.
37. \\ 38. \\	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  PACT Guidance  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic and hypoxia impacts were highlights during this period.  Spell Check  What was the impact on other disciplines?*  Nothing to Report  CIGLR makes significant contributions to other disciplines through our interdisciplinary expertise and mission to produce scien outcomes for society. Research this period advanced the field of geodetics, improved tools for agricultural producers, and investigated social science aspects of Great Lakes natural resources.
37. \\ 38. \\ 39. \\	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic and hypoxia impacts were highlights during this period.  Spell Check  What was the impact on other disciplines?*  Nothing to Report  CIGLR makes significant contributions to other disciplines through our interdisciplinary expertise and mission to produce scien outcomes for society. Research this period advanced the field of geodetics, improved tools for agricultural producers, and investigated social science aspects of Great Lakes natural resources.  Spell Check  What was the impact on the development of human resources?*  Nothing to Report  Nothing to Report
37. \\ 38. \\ 39. \\	Nothing to Report  Significant NOAA collaborators included: Eric Anderson, GLERL Philip Chu, GLERL Ashley Elgin, GLERL  Spell Check  What was the impact on the development of the principal discipline(s) of the project?*  Nothing to Report  With a research portfolio spanning the most pressing issues in the Great Lakes, CIGLR makes important contributions to the science and forecasts that protect life and property across the region. Advancements in coastal flood modeling, HAB dynamic and hypoxia impacts were highlights during this period.  Spell Check  What was the impact on other disciplines?*  Nothing to Report  CIGLR makes significant contributions to other disciplines through our interdisciplinary expertise and mission to produce scier outcomes for society. Research this period advanced the field of geodetics, improved tools for agricultural producers, and investigated social science aspects of Great Lakes natural resources.  Spell Check  What was the impact on the development of human resources?*

	Nothing to Report □					
	CIGLR's contributions to teaching and education during this period included developing a network of 148 educators trained in Great Lakes science education, in addition to our career training and outreach activities that are part of our ECO Program.					
	During the reporting period, CIGLR subawarded a project tilted "Using a Teacher Mentor Model to Expand the Impact of the Center  Spell Check					
	open eneet					
41.	What was the impact on physical, institutional, and information resources that form infrastructure?*					
	Nothing to Report U  CIGLR's Regional Consortium expands NOAA GLERL's research infrastructure by building strong partnerships with universities across the region who have agreed to share their facilities, vessels, laboratories, and instrumentation with NOAA, while our NGO and business partners help develop applications for NOAA research and bridge science with public interests.					
	Spell Check					
42.	What was the impact on technology transfer?*					
	Nothing to Report U  CIGLR's contributions to technology transfer activities benefited research to applications at NOAA and served the public for a weather ready nation, including advanced HAB detection technology, operational HAB forecast development, coupled model development, and data assimilation techniques.					
	Spell Check					
43.	What was the impact on society beyond science and technology?*					
	Nothing to Report   As part of the Engagement element of our ECO Program, CIGLR reaches beyond the science community to interact with legislators, resource managers, and other stakeholders to identify their information needs, tailor research to meet those needs, and deliver the products needed for decision making. During this period, we provided critical Great Lakes information to legislators, engaged 513 stakeholders, and supported emergency flood response.					
	Spell Check					
44.	44. What percentage of the award's budget was spent in foreign country(ies)?*					
	Enter percent 0					
	During the reporting period, \$11,208 (0.07%) of the total CIGLR award to date (\$15,586,861) was spent in foreign countries.  Travel expenditures (\$2,208, 0.01%) included lodging, food, and ground transportation (car rental) costs incurred by CIGLR research personnel for attending the 2019 International Conference on Aquatic Invasive Species in Montreal, Quebec, Canada.  Additional foreign expenditures included a subaward (\$9,000, 0.06%) to Dr. Aaron Fisk at the University of Windsor (Ontario,					
	Spell Check					
СН	IANGES/PROBLEMS Guidance					
45.	Changes in approach and reasons for change*					
	Nothing to Report					
	Spell Check					
46.	Spell Check  Actual or anticipated problems or delays and actions or plans to resolve them*					
46.						
46.	Actual or anticipated problems or delays and actions or plans to resolve them*  Nothing to Report   During the reporting period, project delays occurred due to delayed hires at both CIGLR and NOAA GLERL and delays in the timing					
46.	Actual or anticipated problems or delays and actions or plans to resolve them*  Nothing to Report   During the reporting period, project delays occurred due to delayed hires at both CIGLR and NOAA GLERL and delays in the timing of amendment awards, but work is on track for project completion during no-cost extensions.  CIGLR has received 85 amendments to our parent Cooperative Agreement award, including a \$10 million ceiling increase request.					
	Actual or anticipated problems or delays and actions or plans to resolve them*  Nothing to Report   During the reporting period, project delays occurred due to delayed hires at both CIGLR and NOAA GLERL and delays in the timing of amendment awards, but work is on track for project completion during no-cost extensions.  CIGLR has received 85 amendments to our parent Cooperative Agreement award, including a \$10 million ceiling increase request.  Spell Check  Changes that had a significant impact on expenditures*					
	Actual or anticipated problems or delays and actions or plans to resolve them*  Nothing to Report   During the reporting period, project delays occurred due to delayed hires at both CIGLR and NOAA GLERL and delays in the timing of amendment awards, but work is on track for project completion during no-cost extensions.  CIGLR has received 85 amendments to our parent Cooperative Agreement award, including a \$10 million ceiling increase request.  Spell Check					
	Actual or anticipated problems or delays and actions or plans to resolve them*  Nothing to Report   During the reporting period, project delays occurred due to delayed hires at both CIGLR and NOAA GLERL and delays in the timing of amendment awards, but work is on track for project completion during no-cost extensions.  CIGLR has received 85 amendments to our parent Cooperative Agreement award, including a \$10 million ceiling increase request.  Spell Check  Changes that had a significant impact on expenditures*  Nothing to Report   During the reporting period, four projects experienced an impact on expenditures due to staff departures or delays in hiring					
	Actual or anticipated problems or delays and actions or plans to resolve them*  Nothing to Report   During the reporting period, project delays occurred due to delayed hires at both CIGLR and NOAA GLERL and delays in the timing of amendment awards, but work is on track for project completion during no-cost extensions.  CIGLR has received 85 amendments to our parent Cooperative Agreement award, including a \$10 million ceiling increase request.  Spell Check  Changes that had a significant impact on expenditures*  Nothing to Report   During the reporting period, four projects experienced an impact on expenditures due to staff departures or delays in hiring new/replacement staff. These include:  HABS Monitoring, Forecasting and Genomics for the Great Lakes. Two research support staff and Postdoctoral Fellow Dr. Freya					

in Effective Communication of Bay Water Managers. The Ur	2 studies involving human subjects were conducted by CIGLR researchers: Knowle of Great Lakes Ice Forecasts, and Understanding Harmful Algal Bloom Forecasting Noversity of Michigan's Institutional Review Board (IRB) reviewed study methods, in ad surveys. The Knowledge Co-production study was designated as a non-regulated leck	Needs of Saginaw cluding interviews,
9. Change of primary performance site locati	ion from that originally proposed*	
Nothing to Report ☑		
Spell Ch	eck	72]
PROJECT OUTCOMES Guid	<u>ance</u>	
through the application of no change, and develop tools fo partners, we are at the foref	c Goals, CIGLR's research is advancing Great Lakes science and promoting adaptive ovel techniques to understand environmental problems, prepare communities for er or informed decision making. Through collaborations with NOAA GLERL and our Regiront of coastal forecasting, high-tech observations, and ecosystem health research	nvironmental Jional Consortium
Spell Ch	eck	

Cancel Print